



OpenCore

Reference Manual (0.5.~~4~~.5)

[2020.01.22]

3. Input

Type: plist dict

Failsafe: None

Description: Apply individual settings designed for input (keyboard and mouse) in Input Properties section below.
4. Protocols

Type: plist dict

Failsafe: None

Description: Force builtin versions of select protocols described in Protocols Properties section below.

Note: all protocol instances are installed prior to driver loading.
5. Quirks

Type: plist dict

Failsafe: None

Description: Apply individual firmware quirks described in Quirks Properties section below.

11.3 Input Properties

1. KeyForgetThreshold

Type: plist integer

Failsafe: 0

Description: Remove key unless it was submitted during this timeout in milliseconds.

AppleKeyMapAggregator protocol is supposed to contain a fixed length buffer of currently pressed keys. However, the majority of the drivers only report key presses as interrupts and pressing and holding the key on the keyboard results in subsequent submissions of this key with some defined time interval. As a result we use a timeout to remove once pressed keys from the buffer once the timeout expires and no new submission of this key happened.

This option allows to set this timeout based on your platform. The recommended value that works on the majority of the platforms is 5 milliseconds. For reference, holding one key on VMware will repeat it roughly every 2 milliseconds and the same value for APTIO V is 3-4 milliseconds. Thus it is possible to set a slightly lower value on faster platforms and slightly higher value on slower platforms for more responsive input.
2. KeyMergeThreshold

Type: plist integer

Failsafe: 0

Description: Assume simultaneous combination for keys submitted within this timeout in milliseconds.

Similarly to KeyForgetThreshold, this option works around the sequential nature of key submission. To be able to recognise simultaneously pressed keys in the situation when all keys arrive sequentially, we are required to set a timeout within which we assume the keys were pressed together.

Holding multiple keys results in reports every 2 and 1 milliseconds for VMware and APTIO V respectively. Pressing keys one after the other results in delays of at least 6 and 10 milliseconds for the same platforms. The recommended value for this option is 2 milliseconds, but it may be decreased for faster platforms and increased for slower.
3. KeySupport

Type: plist boolean

Failsafe: false

Description: Enable internal keyboard input translation to AppleKeyMapAggregator protocol.

This option activates the internal keyboard interceptor driver, based on AppleGenericInput aka ([AptioInputFix](#)[AptioInput](#)) to fill AppleKeyMapAggregator database for input functioning. In case a separate driver is used, such as AppleUsbKbdXc, this option should never be enabled.
4. KeySupportMode

Type: plist string

Failsafe: empty string

Description: Set internal keyboard input translation to AppleKeyMapAggregator protocol mode.

 - Auto — Performs automatic choice as available with the following preference: AMI, V2, V1.